

RAW SEQUENCE LISTING

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Information Center (STIC) no errors detected.**

Application Serial Number: 10/018, 470 B
Source: JFW16
Date Processed by STIC: 12/02/2005

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IFW16

RAW SEQUENCE LISTING

DATE: 12/02/2005

PATENT APPLICATION: US/10/018,470B

TIME: 12:18:28

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Output Set: N:\CRF4\12022005\J018470B.raw

3 <110> APPLICANT: FRASER, Claire Marie
 4 HICKEY, Erin Kathleen
 5 PETERSON, Jeremy D.
 6 TETTELIN, Herve
 7 VENTER, J. Craig
 8 MASIGNANI, Vega
 9 GALEOTTI, Cesira
 10 MORA, Marirosa
 11 RATTI, Giulio
 12 SCARSELLI, Maria
 13 SCARLATO, Vincenzo
 14 RAPPUOLI, Rino
 15 PIZZA, Mariagrazia
 16 GRANDI, Guido
 18 <120> TITLE OF INVENTION: NEISSERIA GENOMIC SEQUENCES AND METHODS OF THEIR USE
 20 <130> FILE REFERENCE: 223002100400
 24 <140> CURRENT APPLICATION NUMBER: US 10/018,470B
 C--> 25 <141> CURRENT FILING DATE: 2002-11-21
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 28 <151> PRIOR FILING DATE: 2000-03-08
 30 <150> PRIOR APPLICATION NUMBER: US 60/132,068
 31 <151> PRIOR FILING DATE: 1999-04-30
 33 <150> PRIOR APPLICATION NUMBER: GB 0004695.3
 34 <151> PRIOR FILING DATE: 2000-02-28
 36 <150> PRIOR APPLICATION NUMBER: PCT/US99/23573
 37 <151> PRIOR FILING DATE: 1999-10-08
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247 gcgccaatt tcgccaaccg cgccgcaccc gcctctgtct gcgccagaca ccccgtcagc 11580
248 gaagcggcgg caggacggat caggcggcgg actttcagat aaccgttcaa cgatttttcc 11640
249 gacagccgcg cattcgccaa aaacagcggc acaccgcgc gccggcattc cctcatcagg 11700
250 ttgggcccaga tttcggtttc catcaaaatg ccgaacatcg ggcgggtgtc gcgcaaaaac 11760
251 tgccgtaccc acgttttttt gtcatacggga agatagcggc attgcgcatc gggaaacaga 11820
252 acttgcgcg tttccgcgcc cgtcggggtc atctgcgtca tcagcagcgg cgcacggga 11880
253 aaacgcgcgc gcaactcgcg tatcaaggac tgggcggcac gcgtttctcc gaccgaaacg 11940
254 cgctgtatcc aaaccgcgcc ggtaacggga ttcggatagc gcttgccgaa acgctcgtcc 12000
255 cgatgcgccc gatatgcggg ggcacttcgg gagcgtttgt ccaaataacg ccgtatccat 12060
256 atcggcgcaa gcagccacaa tacatcataa agccattgga acatctttct atttctgca 12120
257 aaacaaatgc cgtctgaacg gttcagacgg catttcggca acggaatcaa atatcgtagg 12180
258 ttgtcgaagc ggtatctccg cccttgccc tccagttgg atggaaaaac tcaccgcgcg 12240
259 gtttgcgggt gcgctcgtaa gtgtgcgcgc cgaagtagtc gcgctgtgcc tgcaagaggt 12300
260 tggcaggcag acgttcgggt gtgtagccgt ccaagaacgt aatcgccgaa gccatgcagg 12360

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/018,470B

DATE: 12/02/2005
TIME: 12:18:29

Input Set : D:\SEQLIST223002100400.txt
Output Set: N:\CRF4\12022005\J018470B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; N Pos. 6,8,38,39,96,102,341,390,410
Seq#:7; Xaa Pos. 3,13,114,137
Seq#:40; N Pos. 364,365,366,367,368,369,370,371,372,373,374,375,376,377,378
Seq#:40; N Pos. 379,380,381,382,383,384,385,386,387,388,389,390,391,392,393
Seq#:40; N Pos. 394,395,396,397,398,399,400,401,402,403,404,405,406,407,408
Seq#:40; N Pos. 409,410,411,412,413,414,415,416,417,418,419,420,421,422,423
Seq#:40; N Pos. 424,425,426,427,428,429,430,431,432,433,434,435,436,437,438
Seq#:40; N Pos. 439,440,441,442,443,444,445,446,447,448,449,450,451,452,453
Seq#:40; N Pos. 454,455,456,457,458,459,460,461,462,463,464,465,466,467,468
Seq#:40; N Pos. 469,470,471,472,473,474,475,476,477,478,479,480,481,482,483
Seq#:40; N Pos. 484,485,486,487,488,489,490,491,492,493,494,495,496,497,498
Seq#:40; N Pos. 499,500,501,502,503,504,505,506,507,508,509,510,511,512,513
Seq#:40; N Pos. 514,515,516,517,518,519,520,521,522,523,524,525,526,527,528
Seq#:40; N Pos. 529,530,531,532,533,534,535,536,537,538,539,540,541,542,543
Seq#:40; N Pos. 544,545,546,547,548,549,550,551,552,553,554,555,556,557,558
Seq#:40; N Pos. 559,560,561,562,563,564,565,566,567,568,569,570,571,572,573
Seq#:40; N Pos. 574,575,576,577,578,579,580,581,582,583,584,585,586,587,588
Seq#:40; N Pos. 589,590,591,592,593,594,595,596,597,598,599,600,601,602,603
Seq#:40; N Pos. 604,605,606,995,1082
Seq#:41; Xaa Pos. 122,123,124,125,126,127,128,129,130,131,132,133,134,135
Seq#:41; Xaa Pos. 136,137,138,139,140,141,142,143,144,145,146,147,148,149
Seq#:41; Xaa Pos. 150,151,152,153,154,155,156,157,158,159,160,161,162,163
Seq#:41; Xaa Pos. 164,165,166,167,168,169,170,171,172,173,174,175,176,177
Seq#:41; Xaa Pos. 178,179,180,181,182,183,184,185,186,187,188,189,190,191
Seq#:41; Xaa Pos. 192,193,194,195,196,197,198,199,200,201,202,332,361
Seq#:46; N Pos. 995,1082
Seq#:47; Xaa Pos. 332,361
Seq#:63; Xaa Pos. 116

VERIFICATION SUMMARY

DATE: 12/02/2005

PATENT APPLICATION: US/10/018,470B

TIME: 12:18:29

Input Set : D:\SEQLIST223002100400.txt

Output Set: N:\CRF4\12022005\J018470B.raw

L:25 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:37865 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:37866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:60
L:37870 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:300
L:37871 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:360
L:37885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:37906 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:112
L:37909 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:128
L:39385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:360
L:39386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:420
L:39387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:480
L:39388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:540
L:39389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:600
L:39395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:960
L:39397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:1080
L:39441 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:112
L:39444 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:128
L:39447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:144
L:39450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:160
L:39453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:176
L:39456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:192
L:39481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:320
L:39487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:352
L:39722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:960
L:39724 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:1080
L:39797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:320
L:39803 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:352
L:40845 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:112